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UV curing resin compsns. for transmission type screens - contain urethane (meth)acrylate(s) and/or epoxy (meth)acrylate(s) other ethylenically unsatd. cpds. semi-carbazide cpds., and photopolymerisation initiators  
Patent Assignee: NIPPON KAYAKU KK

## Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 6016721	A	19940125	JP 92197432	A	19920702	199408	B

Priority Applications (Number Kind Date): JP 92197432 A ( 19920702)

## Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 6016721	A		6	C08F-020/30	

## Abstract:

JP 6016721 A

Resin compsns. contain (A) urethane (meth)acrylates and/or epoxy (meth)acrylates, (B) ethylenic unsatd. gp.-contg. cpds. other than (A), (C) semicarbazide cpds. and (D) photopolymerisation initiators.

(A) are pref. polyester-urethane acrylate, polycaprolactone urethane acrylate, polytetramethylene urethane acrylate, bisphenol A or F epoxy acrylate. (B) are pref. acryloylmorpholine, phenoxyethyl acrylate, isobornyl acrylate. The resin compsns. contain 16-90 (24-66) wt.% of (A), 9-83 (30-75) wt.% of (B). 0.1-10 (0.3-5) wt.% of (C) and 0.3-10 (0.5-0.7) wt.% of (D).

USE/ADVANTAGE - Suitable for the mfr. of transmission type screens (claimed) e.g. Fresnel lens, lenticular lens and for the prepn. of coating agents, potting agents, printing inks, paints. They have small colouring with lapse of time. Their cured prods. (claimed) have small colouring in the lapse of time, good mould releasability, mould-reproducibility and recovery property.

Dwg.O/O

Derwent World Patents Index

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Dialog® File Number 351 Accession Number 9782227

Waveform shaper for television synchronising signal - has circuit which compares peak value of synchronisation signal with DC-clamped synchronisation signal NoAbstract Dwg 4/6  
Patent Assignee: MATSUSHITA ELEC IND CO LTD

## Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 60016721	A	19850128	JP 84131367	A	19830709	198510	B

Priority Applications (Number Kind Date): JP 84131367 A ( 19830709)

## Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 60016721	A		9		

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Dialog® File Number 351 Accession Number 4232664

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Basic Patent (Number,Kind,Date): JP 6016721 A2 940125

## PATENT FAMILY:

## Japan (JP)

Patent (Number,Kind,Date): JP 6016721 A2 940125

RESIN COMPOSITION, ULTRAVIOLET RAY CURABLE RESIN COMPOSITION FOR TRANSMISSION TYPE SCREEN AND ITS CURED PRODUCT (English)

Patent Assignee: NIPPON KAYAKU KK

Author (Inventor): NAKAYAMA KENJI; AIZAWA HIROE; YOKOSHIMA MINORU

Priority (Number,Kind,Date): JP 92197432 A 920702

Applic (Number,Kind,Date): JP 92197432 A 920702

IPC: \* C08F-020/30; C08F-220/30; G02B-001/04; G03B-021/62

CA Abstract No: ; 121(04)037303U

Derwent WPI Acc No: ; C 94-062080

JAPIO Reference No: ; 180222C000066

Language of Document: Japanese

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 11606384

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Basic Patent (Number,Kind,Date): FI 8400466 A0 840206

## PATENT FAMILY:

## Canada (CA)

Patent (Number,Kind,Date): CA 1237119 A1 880524

LIFTING WEDGE (English; French)

Patent Assignee: LASSILA & TIKANOJA OY  
 Author (Inventor): RANDEN ILKKA  
 Priority (Number,Kind,Date): FI 84466 A 840206  
 Applic (Number,Kind,Date): CA 473582 A 850205  
 National Class: \* 254-135  
 IPC: \* B66C-001/54  
 Language of Document: English

#### Germany (DE)

Patent (Number,Kind,Date): DE 3562609 C0 880616  
 A LIFTING WEDGE (English; French; German)  
 Patent Assignee: LASSILA & TIKANOJA OY (FI)  
 Author (Inventor): RANDEN ILKKA  
 Priority (Number,Kind,Date): FI 84466 A 840206  
 Applic (Number,Kind,Date): EP 85300612 A 850130  
 IPC: \* B66C-001/54  
 Derwent WPI Acc No: \* G 85-218507  
 Language of Document: English; French; German

#### Germany (DE) - Legal Status

Number	Type	Date	Code	Text
DE 3562609 P		880616	DE REF	CORRESPONDS TO (ENTSPRICHT) EP 153814 P 880616
DE 3562609 P		890608	DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)
DE 3562609 P		910117	DE 8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE (WEGEN NICHTZ. D. JAHRESGEB. ERLOSCHEN)

#### European Patent Office (EP)

Patent (Number,Kind,Date): EP 153814 A1 850904  
 A LIFTING WEDGE (English)  
 Patent Assignee: LASSILA & TIKANOJA OY (FI)  
 Author (Inventor): RANDEN ILKKA  
 Priority (Number,Kind,Date): FI 84466 A 840206  
 Applic (Number,Kind,Date): EP 85300612 A 850130  
 Designated States: (National) DE; FR; GB; IT; NL; SE  
 IPC: \* B66C-001/54  
 Derwent WPI Acc No: \* G 85-218507  
 Language of Document: English  
 Patent (Number,Kind,Date): EP 153814 B1 880511  
 A LIFTING WEDGE (English; French; German)  
 Patent Assignee: LASSILA & TIKANOJA OY (FI)  
 Author (Inventor): RANDEN ILKKA  
 Priority (Number,Kind,Date): FI 84466 A 840206  
 Applic (Number,Kind,Date): EP 85300612 A 850130  
 Designated States: (National) DE; FR; GB; IT; NL; SE  
 IPC: \* B66C-001/54  
 Derwent WPI Acc No: \* G 85-218507

Language of Document: English

**European Patent Office (EP) - Legal Status**

Number	Type	Date	Code	Text
EP 153814 P		840206	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) FI 84466 A 840206
EP 153814 P		850130	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 85300612 A 850130
EP 153814 P		850904	EP AK	DESIGNATED CONTRACTING STATES (BENANNTTE VERTRAGSSTAATEN) DE FR GB IT NL SE
EP 153814 P		850904	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 153814 P		860319	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 860106
EP 153814 P		861029	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 860915
EP 153814 P		880511	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTTE VERTRAGSSTAATEN) DE FR GB IT NL SE
EP 153814 P		880511	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 153814 P		880616	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 3562609 P 880616
EP 153814 P		880712	EP ITF	IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) BARZANO' E ZANARDO ROMA S.P.A.
EP 153814 P		880812	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 153814 P		890131	EP ITTA	IT: LAST PAID ANNUAL FEE (IT: TASSA ANNUALE ULTIMO PAGAMENTO)
EP 153814 P		890503	EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 153814 P		900917	EP NLV4	NL: LAPSED OR ANNUED DUE TO NON-PAYMENT OF THE ANNUAL FEE (NL: WEGENS NIET BETALEN VAN EEN JAARCIJNS VERVALLEN)
EP 153814 P		900926	EP GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE

EP 153814 P 901123 FR LAPSED  
ST/REG (CONSTATATION DE DECHEANCES)  
EP 153814 P 950131 EP EUG SE: EUROPEAN PATENT HAS LAPSED  
(SE: EUROPEISKT PATENT HAR UPPHOERT ATT GAELLA)  
901107 85300612.0

**Spain (ES)**

Patent (Number,Kind,Date): ES 284369 U 850901  
UNA CUNA DE ELEVACIÓN PARA ELEVAR,EN POSICION VERTICAL,UN OBJETO  
PROVISTO DE UN NUCLEO HUECO (Spanish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): ES 284369 U 850205  
IPC: \* B66C-001/54  
Language of Document: Spanish  
Patent (Number,Kind,Date): ES 284369 Y 860501  
UNA CUNA DE ELEVACION PARA ELEVAR,EN POSICION VERTICAL,UN OBJETO  
PROVISTO DE UN NUCLEO HUECO (Spanish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): ES 284369 U 850205  
Filing Details: (Date of Coming into Force) 850901 (Date of Previous Publication) 860218  
IPC: \* B66C-001/54  
Language of Document: Spanish  
Patent (Number,Kind,Date): ES 284369 Y1 860602  
UNA CUNA DE ELEVACION PARA ELEVAR,EN POSICION VERTICAL,UN OBJETO  
PROVISTO DE UN NUCLEO HUECO (Spanish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): ES 284369 U 850205  
Filing Details: (Date of Coming into Force) 850901 (Date of Previous Publication) 860218  
IPC: \* B66C-001/54  
Language of Document: Spanish

**Finland (FI)**

Patent (Number,Kind,Date): FI 8400466 A 850807  
LYFTKIL. (Swedish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Author (Inventor): RANDEN ILKKA (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): FI 84466 A 840206  
IPC: \* B66C  
Language of Document: Finnish; Swedish  
Patent (Number,Kind,Date): FI 8400466 A0 840206  
LYFTKIL (Swedish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Author (Inventor): RANDEN ILKKA (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): FI 84466 A 840206  
IPC: \* B66C

Language of Document: Finnish; Swedish  
Patent (Number,Kind,Date): FI 70397 B 860327  
LYFTKIL (Swedish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Author (Inventor): RANDEN ILKKA  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): FI 84466 A 840206  
IPC: \* B66C-001/54  
Language of Document: Finnish; Swedish  
Patent (Number,Kind,Date): FI 70397 C 860912  
LYFTKIL (Swedish)  
Patent Assignee: LASSILA & TIKANOJA OY (FI)  
Author (Inventor): RANDEN ILKKA  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): FI 84466 A 840206  
IPC: \* B66C-001/54  
Language of Document: Finnish; Swedish

**Japan (JP)**

Patent (Number,Kind,Date): JP 60183491 A2 850918  
HANGING WEDGE (English)  
Patent Assignee: RATSUSHIRA ETO TEIKANNOYA OY  
Author (Inventor): IRUTSUKA RANDEN  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): JP 8516721 A 850201  
IPC: \* B66C-001/54; B66C-001/66  
Language of Document: Japanese

**Union of the Soviet Socialist Republics (SU)**

Patent (Number,Kind,Date): SU 1505439 A3 890830  
LIFTABLE WEDGE FOR HOISTING HOLLOW ARTICLES IN VERTICAL ATTITUDE  
(English)  
Patent Assignee: LASSILA END TIKANNOYA OJ FIRMA (FI)  
Author (Inventor): RANDEN ILKKA (FI)  
Priority (Number,Kind,Date): FI 84466 A 840206  
Applic (Number,Kind,Date): SU 3858827 A 850205  
IPC: \* B66C-001/54  
Derwent WPI Acc No: \* G 85-218507  
Language of Document: Russian

**INPADOC/Family and Legal Status**

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Dialog® File Number 345 Accession Number 5927199

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Basic Patent (Number,Kind,Date): JP 61138642 A2 860626

**PATENT FAMILY:****Japan (JP)**

Patent (Number,Kind,Date): JP 61138642 A2 860626  
FOAMED DIRECT SOLE (English)  
Patent Assignee: NIPPON ELASTOMER KK  
Author (Inventor): YAMAMOTO GORO; TERAOKA TSUTOMU  
Priority (Number,Kind,Date): JP 84259341 A 841210  
Applic (Number,Kind,Date): JP 84259341 A 841210  
IPC: \* C08J-009/04  
CA Abstract No: ; 105(20)174023M  
Derwent WPI Acc No: ; C 86-207392  
Language of Document: Japanese  
Patent (Number,Kind,Date): JP 94016721 B4 940309  
Patent Assignee: NIPPON ELASTOMER KK  
Author (Inventor): YAMAMOTO GORO; TERAOKA TSUTOMU  
Priority (Number,Kind,Date): JP 84259341 A 841210  
Applic (Number,Kind,Date): JP 84259341 A 841210  
IPC: \* A43B-013/04  
Language of Document: Japanese

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 5602984

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Basic Patent (Number,Kind,Date): JP 60016721 A2 850128

#### PATENT FAMILY:

##### Japan (JP)

Patent (Number,Kind,Date): JP 60016721 A2 850128  
WAVEFORM SHAPING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): SUZUKI AKIRA; WATANABE TOSHIROU  
Priority (Number,Kind,Date): JP 84131367 A 840626  
Applic (Number,Kind,Date): JP 84131367 A 840626  
IPC: \* H03K-005/01; H03K-005/04  
Derwent WPI Acc No: \* G 85-059543  
JAPIO Reference No: \* 090131E000089  
Language of Document: Japanese

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 5390594

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Basic Patent (Number,Kind,Date): JP 56131901 A2 811015

#### PATENT FAMILY:

##### Japan (JP)

Patent (Number,Kind,Date): JP 56131901 A2 811015  
WATER-COOLED STRUCTURE FOR RESISTOR (English)  
Patent Assignee: HITACHI LTD  
Author (Inventor): KAWAGUCHI YOSHINOBU; OGATA FUMIO  
Priority (Number,Kind,Date): JP 8034103 A 800319  
Applic (Number,Kind,Date): JP 8034103 A 800319  
IPC: \* H01C-001/084  
Language of Document: Japanese  
Patent (Number,Kind,Date): JP 85016721 B4 850427  
Priority (Number,Kind,Date): JP 8034103 A 800319  
Applic (Number,Kind,Date): JP 8034103 A 800319  
IPC: \* H01C-001/084  
Language of Document: Japanese

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 3548457

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